

Fig. 1

## SEQ ID NO: 1

GGCCCAGGCTGAAGCTCAGGGCCCTGTCTGCTCTGTGGACTCAACAGTTTGT  
GGCAAGACAAGCTCAGAACTGAGAAGCTGTCACCACAGTTCTGGAGGCTGGG  
AAGTTCAAGATCAAAGTGCCAGCAGATTCAGTGTCATGTGAGGACGTGCTTC  
CTGCTTCATAGATAAGAGCTTGGAGCTCGGCGCACAAACCAGCACCATCTGGT  
CGCGATGGTGGACACGGAAAGCCCCTCTGCCCCCTCTCCCCACTCGAGGCC  
GGCGATCTAGAGAGCCCGTTATCTGAAGAGTTCCTGCAAGAAATGGGAAACA  
TCCAAGAGATTTCTGCAATCCATCGGCGAGGATAGTTCTGGAAGCTTTGGCTT  
TACGGAATACCAGTATTTAGGAAGCTGTCCTGGCTCAGATGGCTCGGTCATC  
ACGGACACGCTTTCACCAGCTTCGAGCCCCTCCTCGGTGACTTATCCTGTGG  
TCCCCGGCAGCGTGGACGAGTCTCCAGTGGAGCATTGAACATCGAATGTAG  
AATCTGCGGGGACAAGGCCTCAGGCTATCATTACGGAGTCCACGCGTGTGAA  
GGCTGCAAGGGCTTCTTTCTGGCGAACGATTCGACTCAAGCTGGTGTATGACA  
AGTGCGACCGCAGCTGCAAGATCCAGAAAAAGAACAGAAACAAATGCCAGTA  
TTGTCGATTTTACAAGTGCCTTTCTGTCTGGGATGTCACACAACGCGATTCTG  
TTTGGACGAATGCCAAGATCTGAGAAAGCAAACTGAAAGCAGAAATTCTTA  
CCTGTGAACATGACATAGAAGATTCTGAAACTGCAGATCTCAAATCTCTGGC  
CAAGAGAATCTACGAGGCCTACTTGAAGAACTTCAACATGAACAAGGTCAAA  
GCCCCGGGTCATCCTCTCAGGAAAGGCCAGTAACAATCCACCTTTTGTGCATAC  
ATGATATGGAGACACTGTGTATGGCTGAGAAGACGCTGGTGGCCAAGCTGGT  
GGCCAATGGCATCCAGAACAAGGAGGCGGAGGTCCGCATCTTTCCTGCTGC  
CAGTGCACGTCAGTGGAGACCGTCACGGAGCTCACGGAATTCGCCAAGGCCA  
TGCCAGGCTTCGCAAACTTGGACCTGAACGATCAAGTGACATTGCTAAAATA  
CGGAGTTTATGAGGCCATATTCGCCATGCTGTCTTCTGTGATGAACAAAGAC  
GGGATGCTGGTAGCGTATGGAAATGGGTTTATAACTCGTGAATTCCTAAAAA  
GCCTAAGGAAACCGTTCTGTGATATCATGGAACCCAAGTTTGATTTTGCCAT  
GAAGTTCAATGCACTGGAACCTGGATGACAGTGATATCTCCCTTTTTTGTGGCT  
GCTATCATTTGCTGTGGAGATCGTCCTGGCCTTCTAAACGTAGGACACATTG  
AAAAAATGCAGGAGGGTATTGTACATGTGCTCAGACTCCACCTGCAGAGCAA  
CCACCCGGACGATATCTTTCTCTTCCCAAACTTCTTCAAAAAATGGCAGAC

**Fig. 1** (continued)

CTCCGGCAGCTGGTGACGGAGCATGCGCAGCTGGTGCAGATCATCAAGAAGA  
CGGAGTCGGATGCTGCGCTGCACCCGCTACTGCAGGAGATCTACAGGGACAT  
GTACTGAGTTCCTTCAGATCAGCCACACCTTTTCCAGGAGTTCTGAAGCTGA  
CAGCACTACAAAGGAGACGGGGGAGCAGCACGATTTTGCACAAATATCCACC  
ACTTTAACCTTAGAGCTTGGACAGTCTGAGCTGTAGGTAACCGGCATATTAT  
TCCATATCTTTGTTTTTAACCAGTACTTCTAAGAGCATAGAACTCAAATGCTG  
GGGGAGGTGGCTAATCTCAGGACTGGGAAG

**Fig. 2****SEQ ID NO: 2**

MVDTESPLCPLSPLEAGDLESPLSEEFLOEMGNIQEISQSIGEDSSGSFGFT  
EYQYLGSCP GSDGSVITDTLSPASSPSSVTYPVVP GSVDESPSGALNIECRI  
CGDKASGYHYGVHACEGCKGFFRRTIRLKLVDKCDRSCKIQKKNRNKCYC  
RFHKCLSVGMSHN AIRFGRMPRSEKAKLKA EILTCEHDIEDSETADLKSLAK  
RIYEAYLKNFNMNKVKARVILSGKASNNPPFVIHDMETLCMAEKT LVAKLVA  
NGIQNKEAEVRI FHCCQCTSVETVTELTEFAKAI PGFANLDLNDQVTLLKYG  
VYEAI FAMLSSVMNKDGMLVAYGN GFITREFLKS LRKPFCDIMEPKFDFAMK  
FNALELDDSDISLFVA AIICCGDRPGLLN VGHI EKMQEGIVHVLRLHLQSNH  
PDDIFLFPKLLQKMADLRQLVTEHAQLVQIIKKTESDAALHPLLQE IYRDMY

**Fig. 3****SEQ ID NO: 3**

5' - CCAAGTTTGATTTTGCCATGAAG - 3'

**Fig. 4****SEQ ID NO: 4**

5' - AGCAGCCACAAAAAGGGAGAT - 3'

**Fig. 5****SEQ ID NO: 5**

5' - TCAATGCACTGGAACTGGATGACAGTGA - 3'